

# 1U MCB Distributions

The 1U distribution panel is a standalone unit designed to be used in all applications requiring negative distribution. The compact size and easy connectivity makes these units perfect for applications with limited space or where additional distribution is required. Pluggable breakers with ratings up to 30A ensure flexible, quick and easy output configuration.



# 1U 19" MCB Distributions (Negative 48V<sub>DC</sub>)

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## APPLICATIONS

The 1U distribution is designed to meet today's demands when it comes to state of the art, cost efficiency and flexibility in DC power systems. Together with its compact size and reliability, this distribution is a key building block for future needs.

## PRODUCT DESCRIPTION

D00001.018  
Single feed across 12 breaker positions

D00001.019  
Single feed across 12 breaker positions of which 6 are controlled by LVLD

D00001.020  
Dual feed. "A" feed across 6 breaker positions, "B" feed across 6 breaker positions

D00001.021  
Dual feed with LVLD. "A" feed across 6 breaker positions controlled by LVLD, "B" feed across 6 breaker positions

D00001.026  
Single feed across 22 breaker positions

## KEY FEATURES

- 1U HIGH
- 19" WIDE
- 12/22 PLUGGABLE MCB POSITIONS
- LOAD ALARM
- EASY ACCESSED OUTPUT CONNECTIONS
- SINGLE OR DUAL INPUT\*
- OPTIONAL LVLD\*
- GLOBAL APPROVALS

### 22-WAY DISTRIBUTION



### \*12-WAY DISTRIBUTION



# 1U 19" MCB Distributions

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Model	12-Way Distributions		22-Way Distribution
	Single feed	Dual feed	Single feed
Part number (basic)	D00001.018	D00001.020	D00001.026
Part number w/LVLD*	D00001.019	D00001.021	N/A

## INPUT DATA

Maximum voltage	60 V <sub>DC</sub>		60 V <sub>DC</sub>
Maximum current	100A <sub>DC</sub>	100A <sub>DC</sub> pr feed(200A <sub>DC</sub> total)	130 A <sub>DC</sub>
Connections	25mm <sup>2</sup> (terminal block screw connection)		35mm <sup>2</sup> (M6 stud)
Earth (PE)	M6 stud		M6 stud

## OUTPUT DATA

Maximum voltage	60 V <sub>DC</sub>		60 V <sub>DC</sub>
Maximum current	100A <sub>DC</sub> <sup>1)</sup>	100A <sub>DC</sub> pr feed <sup>2)</sup>	130A
MCB rating	12 x B-frame 2-30A <sup>3)</sup>		22 x B-frame 2-20A
*Maximum current LVLD (position F1 – F6)	50A <sub>DC</sub>		N/A
*LVLD	48V 50A latching		N/A
*LVLD connections	2 x 4mm <sup>2</sup> screw terminal		N/A
Load Alarm (diode matrix)	4mm <sup>2</sup> screw terminal		Fast-on (6.35/.250)
Output Connections	4mm <sup>2</sup> screw terminals (rear cable entry front connection)		8mm <sup>2</sup> push-in connectors (rear connection)


## OTHER SPECIFICATIONS

Dimensions	<ul style="list-style-type: none"> <li>o Height</li> <li>o Width</li> <li>o Depth</li> </ul>	1U (44 mm) 19" (482.6 mm) 160 mm (incl. rear terminals)	1U (44 mm) 19" (482.6 mm) 226 mm
Weight approx. (w/o breakers)	1,8 kg [4.0 lbs]	1,9 kg [4,2 lbs]	2,2 kg [4,8 lbs]
Insulation	0.5 kV <sub>dc</sub> (output-earth)		
Operating temperature	-10°C - +50°C		
Storage temperature	-40°C - +85°C (long term 10°C - 30°C)		

## DESIGN STANDARDS

Electrical safety	UL 60950-1-2 <sup>nd</sup> edition, EN 60950-1-2 <sup>nd</sup> edition
EMC	ETSI EN 300 386 v1.3.2 ETSI EN 300 386 v1.5.1 EN 61000-6-1 / -2 / -3 / -4 FCC Part 15 Subpart 109 IEC 61326-3-1
Mains Harmonics	EN 61000-3-2
Environment	ETSI EN 300 019-2-1 /-2 /-3

## ADDITIONAL ITEMS

P/N 338571	Cover in front of terminals left side <sup>4)</sup>	
P/N 338572	Cover in front of terminals right side <sup>4)</sup>	
P/N 338570	One cover in front of terminals and breakers <sup>4)</sup>	

- 1) Maximum current w/LVLD: 50A position F1-F6, 100A position F7-F12
- 2) Maximum current w/LVLD: 50A on input A, 100A on input B
- 3) Maximum continuous current 20A, maximum 30A for 2 minutes
- 4) Rear cable entry only

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Specifications are subject to change without notice